

Please type a plus sign (+) inside this box

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitu	ite for form 1449A/PTO		Complete it Known				
			Application Number	10/519,911			
INFOR	MATION DISCLOSURE		Filing Date	December 30, 2004			
STATE	MENT BY APPLICANT		Shinya NAGATA				
			Group Art Unit	37 0 G			
	(use as many sheets as necessary)		Examiner Name	Dietrich, Joseph M.			
Sheet	1 of	1	Attorney Docket Number	T3736-9303US01			

U.S. PATENT DOCUMENTS

		U.S. Patent Document		Date of Publication of	Pages, Columns, Lines, Where
Examiner Cite Initials* No.	Cite No. 1	Kind Code ² Number (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Relevant Passages or Relevant Figures Appear
JD		5,109,862	Kelen et al.	5-5-92	
1		5,410,473	Kaneko et al.	4-25-95	
$\Box V^{-}$		6,322,516	Masuda et al.	11-27-01	

FOREIGN PATENT DOCUMENTS

	T	F	oreign Patent Doo	ument			Date of Publication of	Pages, Columns, Lines, Where	
Examiner Initials*	Cite No. 1	Office 3		Kind Code 5 (if known)	Name of Patentee or of Cited Document		Cited Document MM-DD-YYYY	Relevant Passages or Relevant Figures Appear	Te.
JD		JP	53-133991				11-22-78		ab
		JP	62-217936				9-25-87	•	ab
		JP	7-067843		(corresp. to U.S. 5,1	09,862)	3-14-95	,	ab
	Ţ	JP	5-176906		(corresp. to U.S. 5,4	10,473)	7-20-93		ab
		JP	6-181899				7-5-94		ab
		JP	6-181898				7-5-94		ab
		JP	11-318841		(corresp. to U.S. 6,32	22,516)	11-24-99		ab
		JP	2001-212096		(corresp. to EP 1 110	503)	8-7-01		ab
		JP	6-327643				11-29-94		ab
		JP	6-205751				7-26-94		ab
		JP	2001-008914				1-16-01		ab
		JP	63-240830				10-6-88		ab
		JP	2001-198096				7-24-01		ab
\ /		JP	55-69896				5-26-80		ab
V		EP	1 110 503				6-27-01 .		ab
Examiner /Joseph Dietrich/			Date Considered		06/25/2007				

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-tetter code (WIPO Standard St.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

JUL 0 6 2005 Please type a plus sign (+) inside this box

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE ork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Cubatite	ute for form 1449A/PTO			Service of the College of the Colleg
วบบริแแ	ILE IOI IOITII 1449AVPTO	,		nplete it Known
			Application Number	10/519,911
INF	ORMATION	I DISCLOSURE	Filing Date	December 30, 2004
			First Named Inventor	NAGATA, SHINYA
STA	ATEMENT F	BY APPLICANT	Art Unit	3709
U 1,			Examiner Name	Dietrich, Joseph M.
	(use as many s	sheets as necessary)		
Sheet	2 of	2	Attorney Docket Number	T3736-9303US01

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
w		Copy of International Search Report for PCT/JP2003/08553	
JD		Copy of International Preliminary Examination Report for PCT/JP2003/08553	
			_
		,	
		·	
			1

	······································		
Examiner	/ To a contract to the American American	Date	1
l Cianatura	/Joseph Dietrich/	- Julio	06/25/2007
Signature	,	l Considered	00/25/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.
 Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁵ Applicant is to place a check mark here if English tanguage Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. This information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

OFC 29 2005 W

Please type a plus sign (+) inside this box ▶

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

of Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)
Sheet 1 of 1

Con	malata it Krawa
Col	mplete it Known
Application Number	10/519,911
Filing Date	December 30, 2004
First Named Inventor	NAGATA, SHINYA
Art Unit	3700
Examiner Name	Dietrich, Joseph M.
Attorney Docket Number	T3736-9303US01

				U.S. PATENT DOCUM	MENTS	
Cua-i	Cita	U.S. Patent Document			Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
Examiner Initials*	Cite No. 1	Number	Kind Code ² (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	 -					
_						
	 		- , -			
						·
				-		
	-					
						•
					- -	
	-					<u> </u>
						

				FOREIGN PATENT	DOCUMENTS		
Examiner Initials*	Cite No. 1	Office 3		Publication Date MM-DD-YYYY	Name of Patentee	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Ţ8
, JD	<u></u>	JP	6-261871	9-20-1994			ab
		JP	6-327643	11-29-1994			translation
		JP	6-205751	7-26-1994			translation
		JP	2001-008914	1-16-2001			translation
		JP	63-240830	10-6-1988			partial translation
\/		JP	2001-198096	7-24-2001			partial translation
V		JP	55-69896	5-26-1980			partial translation

Examiner	/Joseph Dietrich/	Date	06/25/2007
Signature	, cosepii bicciion,	Considered	00/23/2007

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English tanguage Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. This information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Application Number		10519911	
	Filing Date		2004-12-30	
INFORMATION DISCLOSURE	First Named Inventor	Naga	ta	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		3709	
	Examiner Name	DIETI	RICH, JOSEPH M	
	Attorney Docket Number		5553NA2-1	

					U.S.I	PATENTS			Remove			
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue C)ate	Name of Pate of cited Docu	entee or Applicant ment	Releva	es,Columns,Lines where evant Passages or Relevant res Appear			
į	1											
If you wish to add additional U.S. Patent citation information please click the Add button. Add												
	U.S.PATENT APPLICATION PUBLICATIONS Remove											
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publica Date	ution	of cited Document			Pages,Columns,Lines where Relevant Passages or Relevan Figures Appear			
	1		·	·								
If you wish	n to a	dd additional U.S. Publi	shed Ap	plication	citation	n information p	lease click the Add	button	Add			
		,		FOREIG	SN PAT	ENT DOCUM	ENTS		Remove			
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²		Kind Code ⁴	Publication Date	Name of Patentee Applicant of cited Document	e or v F	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		T5	
	1	·										
If you wish	n to ac	dd additional Foreign P	atent Do	cument	citation	information pl	ease click the Add	button	Add			
			NON	-PATE	NT LITE	RATURE DO	CUMENTS		Remove			
Examiner Initials*	Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item										T 5	

/Joseph Dietrich/

07/03/2007

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		10519911	
Filing Date		2004-12-30	
First Named Inventor	Nagata		
Art Unit		3709	
Examiner Name	DIETRICH, JOSEPH M		
Attorney Docket Number		5553NA2-1	

JD	1	Chinese Official Action (including translation), mailed November 17, 2006, for corresponding Chinese patent application			
lf you w	ish to a	dd additional non-patent literature document o	citation information please click the Add	outton Add	1
		EXAMIN	ER SIGNATURE		
Examiner Signature /Joseph Dietrich/		ature /Joseph Dietrich/	Date Considered	06/25/2007	
		nitial if reference considered, whether or not ci conformance and not considered. Include co			
Standard 4 Kind of 6	ST.3). ³ F document	of USPTO Patent Documents at www.USPTO.GOV or MF For Japanese patent documents, the indication of the yea by the appropriate symbols as indicated on the document anslation is attached.	ar of the reign of the Emperor must precede the se	rial number of the patent doc	ument